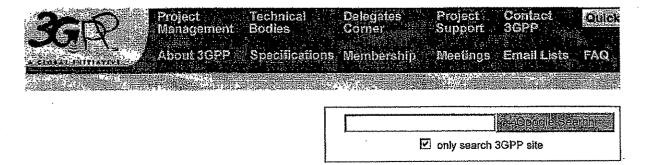
EXHIBIT E

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EXHIBIT F

About 3GPP - Third Generation Partnership Project

Page 1 of 1



About 3GPP

Conferences | Structure | Legal Issues | 3GPP Working Procedures

The 3rd Generation Partnership Project (3GPP) is a collaboration agreement that was established in December 1998. The collaboration agreement brings together a number of telecommunications standards bodies which are known as "Organizational Partners". The current Organizational Partners are ARIB, CCSA, ETSI, ATIS, TTA, and TTC.

The establishment of 3GPP was formalized in December 1998 by the signing of the "The 3rd Generation Partnership Project Agreement".

The original scope of 3GPP was to produce globally applicable Technical Specifications and Technical Reports for a 3rd Generation Mobile System based on evolved GSM core networks and the radio access technologies that they support (i.e., Universal Terrestrial Radio Access (UTRA) both Frequency Division Duplex (FDD) and Time Division Duplex (TDD) modes). The scope was subsequently amended to include the maintenance and development of the Global System for Mobile communication (GSM) Technical Specifications and Technical Reports including evolved radio access technologies (e.g. General Packet Radio Service (GPRS) and Enhanced Data rates for GSM Evolution (EDGE)).

The discussions that led to the signing of the 3GPP Agreement were recorded in a series of slides called the "Partnership Project Description" that describes the basic principles and ideas on which the project is based. The Partnership Project Description has not been maintained since it's first creation but the principles of operation of the project still remain valid.

in order to obtain a consolidated view of market requirements a second category of partnership was created within the project called "Market Representation Partners".

"Observer" status is also possible within 3GPP for those telecommunication standards bodies which have the potential to become Organizational Partners but which, for various reasons, have not yet done so.

A permanent project support group called the "Mobile Competence Centre (MCC)" has been established to ensure the efficient day to day running of 3GPP. The MCC is based at the ETSI headquarters in Sophia Antipolis, France.

If you require any further information, this may be obtained from "3GPP Contact"

Last update:

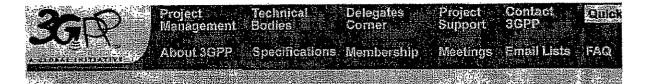
2006-04-24: link to Structure page corrected, link to obsolete TB Officials page deleted; direct link to zip file of Working Procedures removed

2004-04-13

EXHIBIT G

3GPP Legal Issues

Page 1 of 2



3GPP Legal Issues

Conferences | Structure | Legal issues | Call for IPRs | 3GPP Working Procedures | Use of 3GPP logo| Copyright authorizations

Legal Status

The Partnership Project is not a legal entity but is a collaborative activity between the following recognized Standards Development Organizations:

- ARIB (Japan)
- # ATIS (US)
- CCSA ~ (China)
- ETSI (Europe)
- TTA (Korea)
- TTC (Japan)

The Partnership Project is entitled the "THIRD GENERATION PARTNERSHIP PROJECT" and may be known by the acronym "3GPP"

Copyright Authorization

Interested in using 3GPP specifications or other material in your company training or for conference presentations, educational journal articles, etc?

If so please fill in this ONLINE FORM automatically submitted or this Word document and return it to the address shown on the form

For further information please contact the ETSI Legal Advisor or 3GPPContact.

IPR declarations

The Project Coordination Group (PCG) is responsible for maintaining a register of IPR declarations relevant to 3GPP, received by the Organizational Partners.

Individual Members should declare, to their Organizational Partners, any IPRs which they believe to be essential, or potentially essential, to any work ongoing within 3GPP.

During each 3GPP meeting (TSG and WGs) a call for IPRs must be made by the Chairman. The phrase to be used by the Chairman and the text to be used in the meeting report may be found here: www.3gpp.org/legal/IPR.htm

For further information please contact the PCG Secretary, Adrian Scrase

List of IPR declarations sorted by Organizational Partners:

ARIB	CCSA	ETSI	ATIS	TTA	ттс
STD-T63 "IMT-2000	-	ETSI IPR database	ATIS Patent Policy	-	3GPP

3GPP Legal Issues			Page 2 of 2
DS-CDMA System		S. C.	

Last update:

2006-03-09 Legal Advisor Link updated - World document updated 2005-05-12: Copyright online for link added 2005-05-11: ATIS link updated 2005-01-31: 3GPPContact added in addition to ETSI Legal Advisor for copyright matters. 2005-01-05

EXHIBIT H

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EXHIBIT I

THIS EXHIBIT HAS BEEN REDACTED IN ITS ENTIRETY

EXHIBIT J

Page 1 of 4

Search IPR Declarations

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Nokia Corporation		90/573105	3GPP TS 44.160 ETSI TS 144 160 3GPP TS 44.060 ETSI TS 144 060			GSM	2003-01-08	
Patent title METHOD AND BLOCK FLOW	APPARATUS FO	OR MULTIPLEXING A	PLURALITY OF DA	ATA CONN	ECTION	S ONTO O	NE TEMPORARY	
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Nokia Corporation		09/844879	3GPP TS 09.60 ETSI TS 101 347 ETSI EN 301			GSM	2003-01-08	

Page 2 of 4

Patent title METHOD AND S	YSTEM FOR RE	STORING A SUBSC	RIBER CONTEXT					
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E Company	Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	E
Nokia Corporation		09/476404	3GPP TS 45.001 ETSI TS 145 001 3GPP TS 45.010 ETSI TS 145 010 3GPP TS 45.002 ETSI TS 145 002		.•	GSM	2003-01-08	
Patent title	T00141411104T	IONIO OMOTERA ERADI	OVINO DVNAMIO	SALH TICH	ΔT Ω: Δ	30		
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			OR ETSI Deliverable No.				date	
Nokia Corporation		09/884678	3GPP TS 05.08 ETSI TS 100 911		8.7.1 8.7.1	GSM	2003-01-08	
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Nokia Corporation	6456237	10/200930	3GPP TS 03.71 ETSI TS 101 724		7.9.0 7.9.0	GSM	2003-01-08	
Patent title			. ** *					

Page 3 of 4

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Nokia Corporation	09/677114	3GPP TS 03.71 ETSI TS 101 724		7.9.0 7.9.0	GSM	2003-01-08	
Patent title TRACKING OF REAL TIME AND	OBSERVED TIME D	OIFFERENCE VALU	IES IN TIA	ΛE			
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► Company ► Patent No.	Application No	OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	
Nokia Corporation	09/997200	3GPP TS 23.002 ETSI TS 123 002			GSM	2003-01-08	
Patent title TRANSMISSION AND INTERCO	NNECTION METHO	D					
Country of registration UNITED STATES		Countries applicab JNITED STATES	les to Ap _l	p./Patent			
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© Company Patent No.	Application No	OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	SE
Nokia Corporation	09/406209	3GPP TS 44.018		4.11.0	GSM	2003-01-08	
Octobrason		ETSI TS 144 018		4.11.0			
		3GPP TS 48.008 ETSI TS 148 008		4.7.0 4.7.0			
Patent title INTER-SYSTEM HANDOVER							
Country of registration UNITED STATES		Countries applicab UNITED STATES	les to Ap	p./Patent			
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Page 4 of 4

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Nokia Corporation	09/845823	3GPP TS 45.001		5.3.0	GSM	2003-01-08	
		ETSI TS 145 001		5.3.0			
		3GPP TS 45.003		5.5.0			
		ETSI 145 003 3GPP TS 45.008 ETSI TS 145 008		5,5.0			
Patent title INBAND SIGNALLING ON SACC	CH C						
© Country of registration UNITED STATES		ountries applicab NITED STATES	les to Ap	p./Patent			
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Nokia Corporation	5564074	471267	3GPP TS 25.331 3GPP TS 25.224			UMTS	2002-12-19	
Patent title	ON CIDCUITED	ND A DANIO TEI EDHO	\AIE					

POWER CONTROL CIRCUIT FOR A RADIO TELEPHONE

E Country of registration UNITED STATES

Countries applicables to App./Patent

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Nokia Corporation		09/954370	3GPP TS 29.061			UMTS		2002-12-19	
Patent title IP-M CONTEXT	FOR GPRS								
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Nokía Corporation		09/759776	3GPP TS 25.224 3GPP TS 25.221			UMTS		2002-12-19	
Patent title COMBINED CEL	L MEASUREME	ENT REFERENCE AN	D PAGING INDICA	TOR INUT	ra tdd				
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Nokia · Corporation	09/406209	3GPP TS 25.413 3GPP TS 25.331			UMTS	2002-12-19	
Patent title NTER-SYSTEM HANDOVER							
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Nokia Corporation	PCT/FI01/00450	3GPP TS 25.433 3GPP TS 25.225 3GPP TS 25.331			UMTS	2002-12-19	
Patent title METHOD FOR POWER PRE-EG	BUALIZATION IN TDE	SYSTEM					
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E Company Patent No.	Application No	o. F Work Item OR ETSI Deliverable No.		Version	Project(s)	► Declaration date	
Nokia Corporation	09/830781	3GPP TS 25.413 3GPP TS 25.331			UMTS	2002-12-19	
Patent title INDICATING IU SIGNALING BE MORE THAN ONE CN DOMAIN	ARER TO THE RELE	ASE TO THE MOI	BILE STAT	TON (MS) WHEN MS IS	ACTIVE TO .	
Country of registration UNITED STATES		Countries applical JNITED STATES	bles to Ap	p./Paten	t		
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Nokia Corporation		09/970091	3GPP TS 26.192			UMTS	2002-12-19	
Patent title	E CENEDATION	N SYSTEM UTILIZIN	IC STATIONARITY	INFORMA	TION OF	BACKGROUN	D NOISE	•
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Nokia Corporation	•	60/253170	3GPP TS 26.192			UMTS	2002-12-19	
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Nokia Corporation		09/920910	3GPP TS 23,140			UMTS	2002-12-19	
Patent title INCORPORATIN	IG STREAMING	WITH MMS						
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Nokia Corporation		10/200930	3GPP TS 25,305 3GPP TS 22,071 GSM 03,71			UMTS	2002-12-19	
Patent title TRACKING OF I	REAL TIME AND	OBSERVED TIME	DIFFERENCE VAL	UES IN TII	ME			
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Page 4 of 4

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	Nokla Corporation	6456237	09/677114	3GPP TS 25.305 3GPP TS 22.071 GSM 03.71			UMTS	2002-12-19	
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Page 1 of 4

Search IPR Declarations

extent that the IPRs remain ESSENTIAL

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Nokia Corporation Patent title		09/971909	3GPP TS 23.140			UMTS	2002-12-19	
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Nokia Corporation		09/859671	3GPP TS 25.423			UMTS	2002-12-19	
Patent title CONGESTION CON	TROL ON IU	JR						
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Nokia Corporation	PCT/EP99/00452	3GPP TS 23.009			UMTS	2002-12-19	
Patent title INTERWORKING BETWEEN RA	DIO ACCESS NETWO	ORKS					
Country of registration UNITED STATES		ountries applicab NITED STATES	les to App	./Patent			
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E Company Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	
Nokia Corporation	09/783917	3GPP TS 22.016			UMTS	2002-12-19	
Patent title COMPATIBLE EXTENDED MET	HOD TO EXECUTE C	HECK NUMBER (CALCULAT	TION OF	IMEI		
Country of registration UNITED STATES		ountries applicab NITED STATES	les to Ap	o./Patent			
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Nokia Corporation	09/980377	3GPP TS 25.221 3GPP TS 25.301 3GPP TS 25.302 3GPP TS 25.435 3GPP TS 25.212			UMTS	2002-12-19	
Patent title HANDLING OF THE TRANSMIS	SION POWER IN WC	DMA FORWARD	ACCESS (CHANNE	<u>!</u>		
Country of registration UNITED STATES		ountries applicab NITED STATES	les to Ap	p./Patent			
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► Company ► Patent No.	Application No.			Version	Project(s)	Declaration date	E

Page 3 of 4

Nokia Corporation	09/189590	3GPP TS 25.224 3GPP TS 25.221		UMTS	2002-12-19	
PACKET RADIO TELEPHONE S	ERVICES					
Country of registration UNITED STATES		ountries applicabl NITED STATES	es to App./Patent			
Notes The SIGNATORY and/or its AFF on terms and conditions which at extent that the IPRs remain ESS	re in accordance with					
E Company Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section Version	Project(s)	F Declaration date	
Nokia Gorporation	09/997200	3GPP TS 23.002		UMTS	2002-12-19	
Patent title TRANSMISSION AND INTERCO	NNECTION METHOD)				
Country of registration UNITED STATES		ountries applicab NITED STATES	les to App./Patent			
Notes						
The SIGNATORY and/or its AFF on terms and conditions which a extent that the IPRs remain ESS	re in accordance with					
E Company Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section Version	Project(s)	► Declaration date	
Nokia Corporation	09/668315	3GPP TS 22.146 3GPP TS 23.846	,	UMTS	2002-12-19	
Patent title SERVICES ON DEMAND IN MO	BILE COMMUNICATI	ONS SYSTEM				
Country of registration UNITED STATES		ountries applicab NITED STATES	les to AppJPatent			
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The SIGNATORY and/or its AFF on terms and conditions which a extent that the IPRs remain ESS	re in accordance with	ire that they are pre Clause 6.1 of the E	epared to grant irrev TSI IPR Policy, in r	ocable licences espect of the S	under the IPRs TANDARD, to the	
© Company Patent No.	Application No	. Work Item OR ETSI Deliverable No.	Section Version	Project(s)	P Declaration date	· EE
Nokia Corporation	60/331391, 10/157159	3GPP TS 25.212 ETSI TS 125 212 3GPP TS 25.213 ETSI TS 125 213		UMTS	2003-06-27	
Patent title COMPACT REPRESENTATION	OF MULTICODE SIG		IA SYSTEMS			

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Page 4 of 4

D	Country o	f registration TATES		Countries applicab UNITED STATES	ies to Ap	p./Patent			
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Œ	Company	Patent No.	Application No	o. F Work Item OR ETSI Deliverable No.	Section	Version			
Nol Cor	kia rporation		PCT/EP01/03653	3GPP TS 25.413 ETSI TS 125 413			UMTS	2003-06-27	
	Patent title CATION OF	F ALLOWED TAF	RGET PLMNS TO RA	ADIO ACCESS NET	WORK				
E	Country of	of registration		Countries applicab UNITED STATES	les to Ap	p./Patent			

The SIGNATORY and/or its AFFILIATES hereby declare that they are prepared to grant irrevocable licenses under the IPRs on terms and conditions which are in accordance with Clause 6.1 of the ETSI IPR Policy, in respect of the STANDARD, to the extent that the IPRs remain ESSENTIAL

Project (ascending)

Sorted by

IPR in ETSI Deliverables

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Search IPR Declarations

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Please note that when using the work item/projects field for your search you might obtain duplicate entries. This results from the fact that IPR declarations made to ETSI may be relevant to one and/or several projects/work item.

Selected by	Project: ALLCountries apCompany: NEtsi delivera	oplicable: UNITED ST. lokia Corporation able or Work Item: 3GF	ATES PP	Sorte	k isbalangskipky	(ascending)	
43 3	17 1PR De	eclarations found, disp	laying 31 to 40	FFF Gotopag	e Vie	ew 10	
⚠ Company	Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section Version	Project(s)	Declaration date	图區
Nokia Corporation		09/591679	3GPP TS 23.003 ETSI TS 123 003 3GPP TS 25.413 ETSI TS 125 413 3GPP TS 23.060 ETSI TS 123 060		UMTS	2003-06-27	
Patent title	GEMENT IN A	MOBILE TELECOMM	IUNICATION SYS	TEM			
Country of				es to App./Patent			
UNITED STA	-	U	NITED STATES	,,			
Notes The SIGNATORY on terms and cond extent that the IPF	ditions which an	ILIATES hereby declar e in accordance with C ENTIAL	e that they are pre Dause 6.1 of the E	pared to grant irrev TSI IPR Policy, in re	ocable licenses espect of the S	s under the IPRs TANDARD, to the	_
E Company	Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section Version	Project(s)	Declaration date	SE
Nokia Corporation		09/844879	3GPP TS 29.060		UMTS	2003-06-27	

Page 2 of 5

		ETSI TS 129 060					
Patent title IMPROVING RESTORATION PR	OCEDURE BETWEEN	N SGSN AND GGS	N				
© Country of registration		untries applicabl	es to App	./Patent			
UNITED STATES	UN.	IITED STATES					
Notes The SIGNATORY and/or its AFFI on terms and conditions which are extent that the IPRs remain ESSE	e in accordance with C	e that they are pre Clause 6.1 of the E	pared to g TSI IPR P	grant irreve olicy, in re	ocable licenses espect of the ST	under the IPRs FANDARD, to the	
© Company Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	
Nokia Corporation Patent title CAPACITY ALLOCATION FOR F	09/888884 RADIO BEARERS	3GPP TS 25.331 ETSI TS 125 331 3GPP TS 25.922 ETSI TS 125 922 3GPP TS 25.323 ETSI TS 125 323 3GPP TS 25.301 ETSI TS 125 301	* .		UMTS	2003-06-27	
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© Company Patent No.	Application No.	Work item OR ETSI Deliverable No.	Section	Version	Project(s)	► Declaration date	
Nokía Corporation	10/149639	3GPP TS 23.140 ETSI TS 123 140 3GPP TS 26.234 ETSI TS 126 234			UMTS	2003-06-27	
Patent title IMPROVED AND ENHANCED M	EANS OF SUPPORT	FOR STREAMING	IN MMS				
► Country of registration		ountries applicab					
UNITED STATES	U	NITED STATES					
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Company Patent No.	Application No	OR ETSI Deliverable No.	Section Version	Project(s)	E Declaration date	E
Nokia Corporation	09/935212	3GPP 3GPP TS 25.214 3GPP ETSI TS 125 214: 3GPP TS 25.211 3GPP ETSI TS 125 211 3GPP 3GPP TR 25.858 3GPP ETSI TR 125 858		UMTS	2003-06-27	
Patent title CONTROL ARRANGEMENT FO	R PACKET ACCESS	SYSTEM				
Country of registration UNITED STATES		Countries applicab JNITED STATES	ies to App./Paten	t		
Notes The SIGNATORY and/or its AFF on terms and conditions which a extent that the IPRs remain ESS	re in accordance with					
E Company E Patent No.	Application No.	OR ETSI Deliverable No.	Section Version	Project(s)	F Declaration date	
Nokia Corporation	09/832051	3GPP TS 25.322 ETSI TS 125 322		UMTS	2003-06-27	
Patent title ADDITION OF THE ONE BIT RI PROCEDURE	FIELD INTO CURRE	NT RESET PDU AN	NDHANDLING OF	THE HFN UPOI	N THE RESET	
Country of registration UNITED STATES		Countries applicab JNITED STATES	les to App./Paten	t		
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E Company Patent No.	Application No.	o. P Work Item OR ETSI Deliverable No.	Section Version	Project(s)	Declaration date	
Nokia Corporation	09/447988	3GPP TS 44,060 ETSI TS 144 060 3GPP TS 24,008 ETSI TS 124 008		UMTS	2003-06-27	
Patent title METHOD AND ARRANGEMENT	T FOR TRANSFERRI		I IN A PACKET RA	DIO SERVICE		
Country of registration UNITED STATES		Countries applicab JNITED STATES	les to App./Paten	t		
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Page 4 of 5

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Company Patent I	No. Application No	. Work Item OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	E E
Nokia Corporation	10/048303	3GPP TS 44.060 ETSI TS 144 060			UMTS	2003-06-27	
Patent title MEKANISMI DOWNLINK TBI	F:N NOPEALLE PYSTYT	TYKSELLE MOBIILI	N JAVER	KON VÄL	ILLE GPRS:SS	Ä	
Country of registration UNITED STATES		Countries applicab JNITED STATES	les to Ap	p./Patent			
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E Company E Patent	No. E Application No	o. F Work Item OR ETSI Deliverable No.		Version	Project(s)	Declaration date	BE
Nokia 5862489 Corporation	765265	3GPP TS 25.331 ETSI TS 125 331			UMTS	2003-06-27	
Patent title POWER CONTROL METHO	D AND ARRANGEMENT	FOR HANDOVER	IN A MOI	BILE COM	IMUNICATION	SYSTEM	
Country of registratio UNITED STATES	n	Countries applicat					
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► Company	No. Application N	o. F Work Item OR ETSI Deliverable No.		Version	Project(s)	▶ Declaration date	
Nokia Corporation	10/179789	3GPP TS 25.323 ETSI TS 125 323			UMTS	2003-06-27	
Patent title SELECTION OF METHOD T	O CARRY ROHC CID V	ALUES OVER WC	DMA				
Country of registration	n	Countries applical UNITED STATES		p./Patent	:		
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Selected by	•	Project: ALI Countries a Company: I Etsi deliven	pplicable: UNITED S [*] Nokia Corporation able or Work Item: 3G	TATES		Sorte	***************************************		(ascending)	
44		47 IPR D	eclarations found, dis	playing 41 to 47		Go to pag	e 1	Vie	W I TO ISS	
Company	, Œ	Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section	Version	A Pro	ject(s)	Declaration date	
Nokia Corporation			09/765190	3GPP TS 23.003 ETSI TS 123 003 3GPP TS 23.060 ETSI TS 123 060			UMTS		2003-06-27	
Patent title		QUISITION I	N GPRS							
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Compan	у	Patent No.	Application No		Section	Version	m	ject(s)	E Declaration date	
Nokia Corporation			08/746,746	3GPP TS 23.002 ETSI TS 123 002 3GPP TS			UMTS		2003-06-27	

Page 2 of 4

		ETSI TS 125 215 3GPP TS 23.009 ETSI TS 123 009					
Patent title MULTIPLE RADIO STANDARD U	JSE						
Country of registration UNITED STATES		Countries applicable INITED STATES	es to App	JPatent			
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© Company Patent No.	Application No	OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	e E
Nokia Corporation	09/381334	3GPP TS 29.002 ETSI TS 129 002 3GPP TS 23.008 ETSI TS 123 008 3GPP TS 23.016 ETSI TS 123 016 3GPP TS 23.002 ETSI TS 123 002 ETSI TS 123			UMTS	2003-06-27	
Patent title RADIO NETWORK ACCESS ME	CHANISM	M Of Rec					
Country of registration UNITED STATES		Countries applicab JNITED STATES	les to Ap	p./Patent			
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Company Patent No.	Application No.	o. Work Item OR ETSI Deliverable No.	Section	Version	Project(s)	E Declaration date	
Nokia Corporation	10/344104	3GPP TS 29.207 ETSI TS 129 207 3GPP TS 23.207 ETSI TS 123 207			UMTS	2003-06-27	
Patent title Method and System for bearer at		ess communication					

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E Company	Patent No.	Application No	OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	
Nokia Corporation		10/035339	3GPP TS 23,228 ETSI TS 123 228			UMTS	2003-06-27	
PROVIDING MT	SERVICES FOR	UNREGISTERED S	SUBSCRIBERS IN I	R2000IM 1	NETWOR	KS		
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F Company	Patent No.	Application No	o.		Version	Project(s)	Declaration date	EE
Nokia Corporation	6243455	09/481230	3GPP TS 23.218 ETSI TS 123 218			UMTS	2003-06-27	
Patent title REDUCING ME	SSAGE TRAFFIO	O IN INTELLIGENT I	NETWORK					
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E Company	Patent No.	Application N	o. Work Item OR ETSI Deliverable No.		Version	Project(s)	E Declaration date	
Nokia Corporation		09/835821	3GPP TS 24.229 ETSI TS 124 229			UMTS	2003-06-27	
Patent title	SINTERWORKIN	IG WITH CAMEL AN	ID SIP					
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EXHIBIT K

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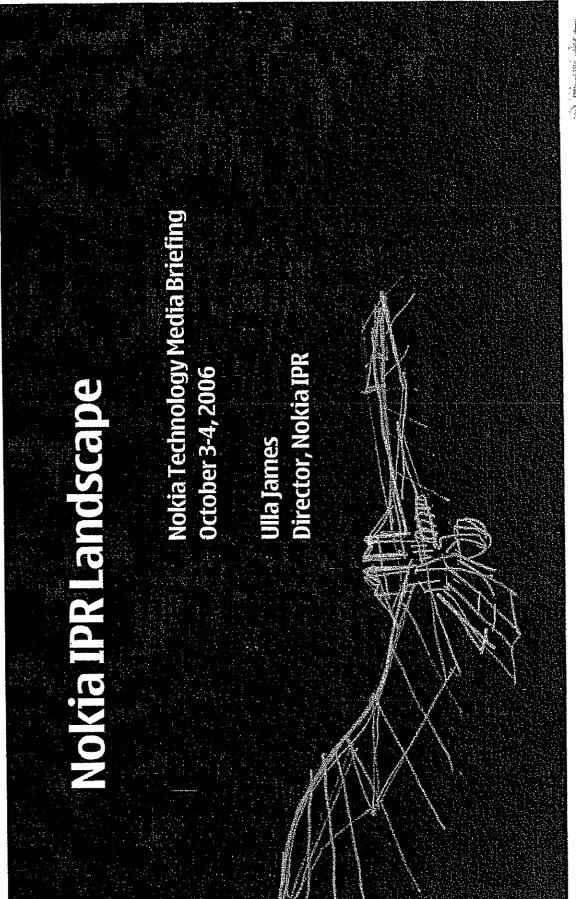
Please note that when using the work item/projects field for your search you might obtain duplicate entries. This results from the fact that IPR declarations made to ETSI may be relevant to one and/or several projects/work item.

Selected by	Project: Al.Company: I	L Lucent Technologies Ir	nc.		Sorted I	by Project (a	scending)	
		2 IPR Deci	arations found	View 10				
▶ Company	Patent No.	Application No.	Work Item OR ETSI Deliverable No.	Section	Version	Project(s)	Declaration date	
Lucent Technologies Inc. Patent title		n/a	ES 201 488	·	1.1.1	Cable Modem	2000-10-13	
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Lucent Technologies Inc.		n/a				UMTS	1998-01-20	
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Page 2 of 2

EXHIBIT L







Patents and Standards

- Development of Nokia Patent portfolio
- IPR Landscape
- How does Nokia IPR Create value?

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Patents

Purpose of patent:

- incentive to invent return on R&D investment
- grants monopoly for a period of time
- worthless if not used
- secures freedom of action, reduces risk defensive value:
- patent owner chooses if, who and on what terms to license



Implementation patents (non-essentials)

- no licensing commitments = greater freedom
- implementation patent can therefore be commercially very valuable
- · majority of patent portfolio
- underpin product differentiation



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Bevelons woolenraniee stancards and techni

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Standards and patents tradeoff

Why standards?

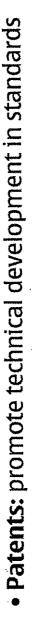
- interoperability
- publication of technical specification
- developed by standardisation organisations
- Governmental/commercial bodies
- De-facto industry standards (e.g. TCP/IP, BT)

Essential patent

- Patent included in a standard
- Standard-compliant equipment must be designed according to the standard using the essential patents even if there were technical and commercial substitutes ("technically essential")
- Obligation to license to all



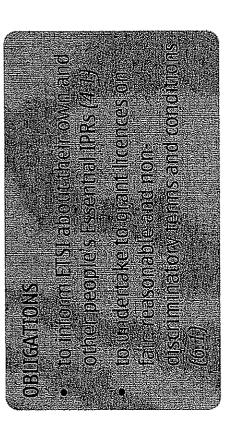
Standardisation organisations have agreed IPR rules

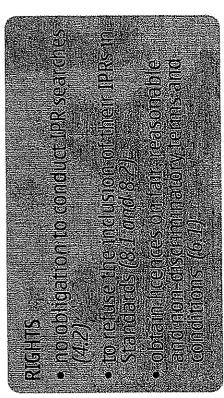


Basic Patent policy

claimed to be essential and to commit to license these patents on Fair, Reasonable ETSI and other standards bodies require patent holders to disclose the patents and Non-discriminatory terms – so called "FRAND" terms.

ETSI IPR Rules:









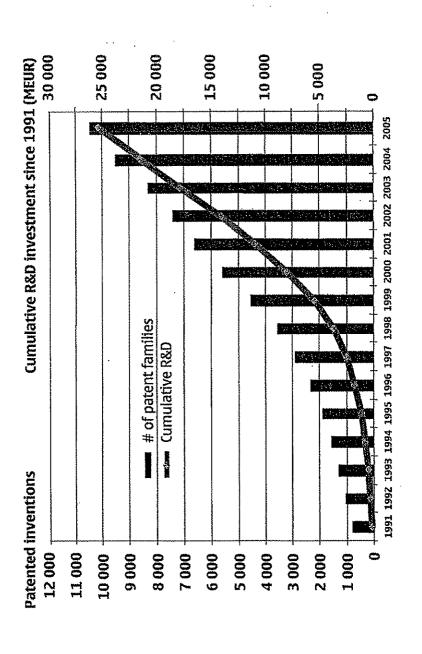
Nokia

esm (*

WCDMA (**

CDMA2000 (**

Nokia IPR portfolio and R&D investments

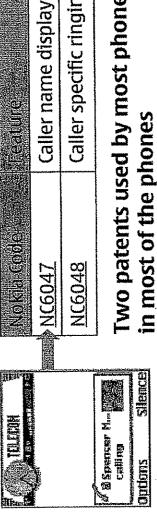


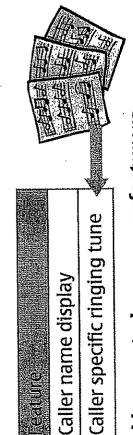
Sources: *) ETSI essential patent declarations **) Goodman-Myers, 2005



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Use of Nokia Patents





Two patents used by most phone manufacturers

Nokia essential patent declarations in key standards

■ WCDMA

™GSM

回 cdma **⊠OMA**

■ IEEE802.16 ■ IEEE802.11

MOTHER

006 800 700500 400 300

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Source: Nokia declarations

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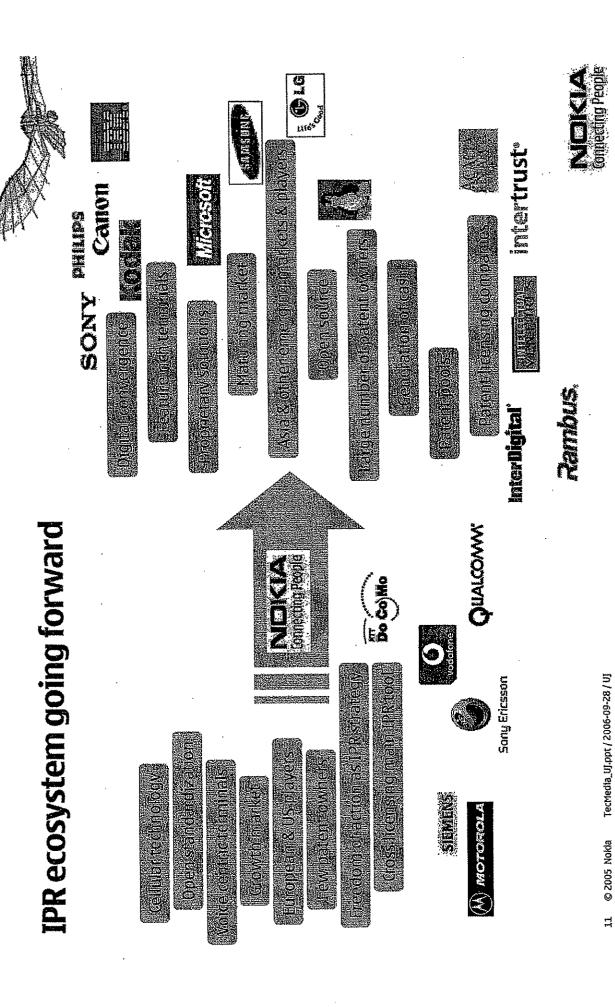
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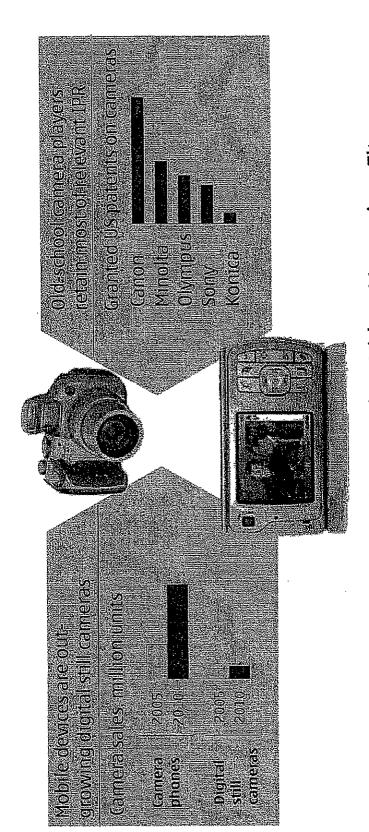


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The highest volume consumer electronics industry with increased exposure to non-telecom IPR

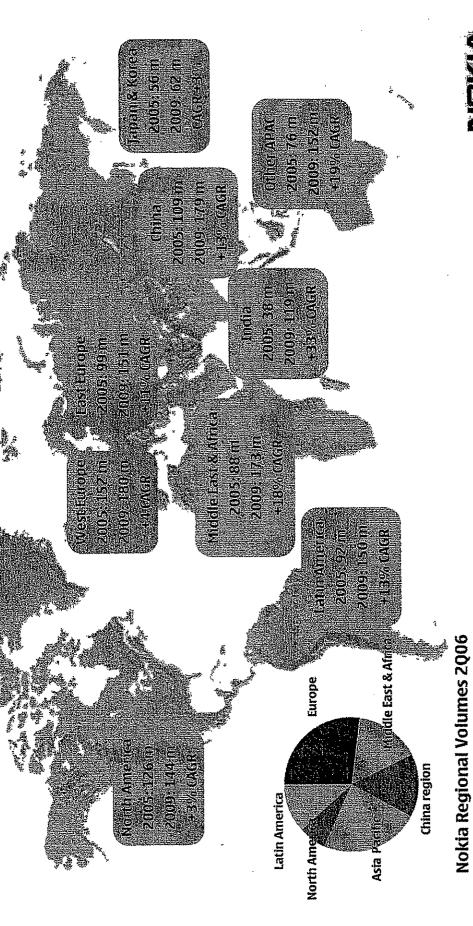


... Television, Navigation, Gaming, Video, Messaging, Fitness ...



Volumes continue to grow - driven by emerging main

Cellular Terminal Market Volumes, Bank of America, Feb 2006

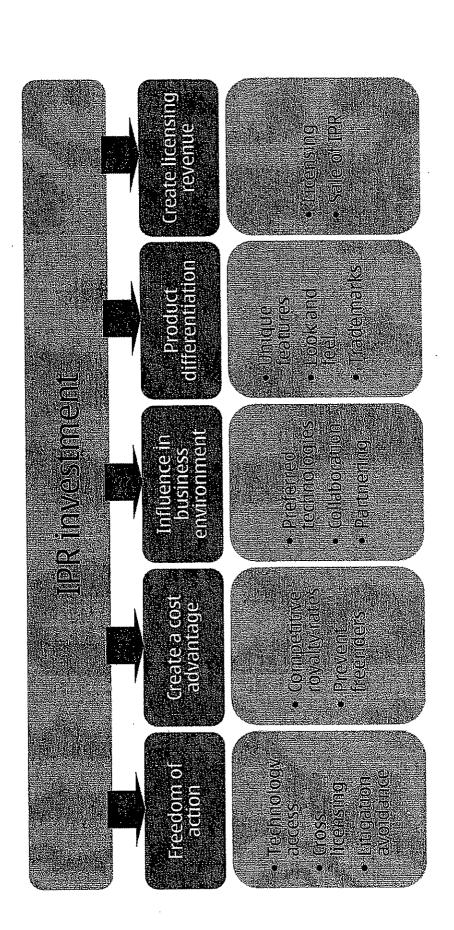


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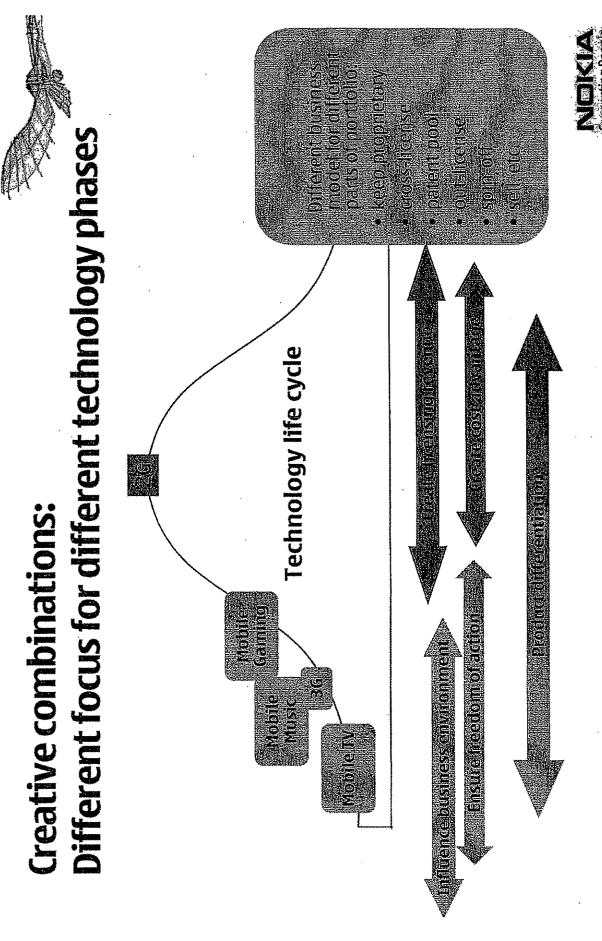
Commercially People

How does Nokia IPR create value?



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Innovation thrives from healthy competition



